



PATENT APPLICATION

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Jon Irvin Stuckey

Serial No: 10/698,318

Filed: October 31, 2003

Art Unit: 2856

For: METHOD FOR DESIGNING TIRE NOISE PITCH SEQUENCE

Docket: P02073US2A

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**Supplemental Information Disclosure Statement**

1. Pursuant to 37 C.F.R. 1.97(b) this Statement is being filed (one must be checked):

- (a) ☐ Within 3 months of the filing date or date of entry into the National Stage.
- (b) ☒ Before the mailing date of a first Office Action on the merits.  
If this Statement is not filed before the mailing date of a first Office Action on the merits, the required certification is given below or, in the absence thereof, the Office is authorized to charge the required fee set forth in 37 C.F.R. 1.17(p) to Deposit Account No. 19-0083 for consideration of this Statement.
- (c) ☐ After the period set forth in 37 C.F.R. 1.97(b) but before the mailing date of either a final action or a notice of allowance.
  - (1) ☐ The required certification is given below,  
or
  - (2) ☐ Enclosed is a check covering the fee set forth in 37 C.F.R. 1.17(p) for consideration of this Statement, or

(3) \_\_\_\_\_ Charge the fee set forth in 37 C.F.R.  
1.17(p) to Deposit Account No. 19-0083.

(d) \_\_\_\_\_ After the mailing date of either a final action or a notice  
of allowance, but before payment of the issue fee.  
Petition hereby is made for consideration of this Statement  
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2. Certification (if applicable)

(a) \_\_\_\_\_ The undersigned hereby certifies that each item  
of information contained in this Statement was  
cited in a communication from a foreign patent  
office in a counterpart foreign application not  
more than 3 months prior to the filing of this  
Statement.

Respectfully submitted at Canton, Ohio, this 12<sup>th</sup> of April, 2004.

SAND & SEBOLT

A handwritten signature in black ink, appearing to read 'Fred H. Zollinger, III', with a horizontal line extending to the right.

By: Fred H. Zollinger, III  
Reg. No. 39,438

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FHZ/kab  
Attorney Docket: P02073US2A



**CERTIFICATE OF MAILING**

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to

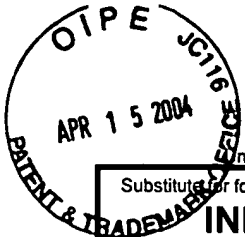
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on this 12<sup>TH</sup> day of April, 2004.

Karina A. Butler



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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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**Complete if Known**

|                      |                   |
|----------------------|-------------------|
| Application Number   | 10/698,318        |
| Filing Date          | 10/31/2003        |
| First Named Inventor | Jon Irvin Stuckey |
| Art Unit             | 2656              |
| Examiner Name        |                   |
| Attorney Docket      | P02073US2A        |

Sheet 1 of 2

**U.S. PATENT DOCUMENTS**

| Examiner<br>Initials* | Cite<br>No. <sup>1</sup> | Document Number                          | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where Relevant<br>Passages or Relevant<br>Figures Appear |
|-----------------------|--------------------------|--|--------------------------------|--|---|
|                       |                          | Number-Kind Code <sup>2</sup> (if known) |                                |  |   |
|                       | 1                        | US-3,989,780                             | 11-02-1976                     | Vorih  |   |
|                       | 2                        | US-4,416,316                             | 11-22-1983                     | Clatworthy et al.                                  |   |
|                       | 3                        | US-4,727,501                             | 02-23-1988                     | Parker et al.                                      |   |
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**FOREIGN PATENT DOCUMENTS**

| Examiner<br>Initials* | Cite<br>No. <sup>1</sup> | Foreign Patent Document   | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages<br>or Relevant Figures Appear | T <sup>3</sup> |
|-----------------------|--------------------------|---|--------------------------------|--|---|----------------|
|                       |                          | Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known) |                                |  |   |                |
|                       | 14                       | EP 0 454 658  | 10-30-1991                     | Semperit Reifen AG                                 |   | ✓              |
|                       | 15                       | EP 0 645 264  | 09-23-1994                     | Dr. Thomas Schulze                                 |   |                |
|                       | 16                       | EP 0 691 219  | 01-10-1996                     | Bridgestone Corporation                            |   |                |
|                       | 17                       | EP 0 743 200  | 11-02-1996                     | The Goodyear Tire & ...                            |   |                |
|                       | 18                       | JP 1-178005   | 07-14-1989                     | Bridgestone Corp.                                  |   |                |
|                       | 19                       | JP 4-123907   | 04-23-1992                     | Ohtsu Tire & Rubber Co.                            |   |                |
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Examiner Signature

Date Considered

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<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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| Substitute for form 1449B/PTO<br><b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br>(use as many sheets as necessary) |   | <b>Complete if Known</b> |                   |                 |            |
|  |   | Application Number       | 10/698,318        |                 |            |
|  |   | Filing Date              | 10/31/2003        |                 |            |
|  |   | First Named Inventor     | Jon Irvin Stuckey |                 |            |
|  |   | Group Art Unit           | 2856              |                 |            |
|  |   | Examiner Name            |                   |                 |            |
| Sheet  | 2 | of                       | 2                 | Attorney Docket | P02073US2A |

| OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS |                       |   |                |
|--|-----------------------|---|----------------|
| Examiner Initials*                                 | Cite No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T <sup>2</sup> |
|  | 20                    | THOMAS A. WILLIAMS, Tire Tread Pattern Noise Reduction Through The Application Of Pitch Sequencing, date unknown; pages 955-959   |                |
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|  | 24                    | John J. Benedetto and Michael W. Frazier; Wavelets: Mathematics and Applications; date unknown, pages 2-13  |                |
|  | 25                    | Brian G. Ferguson and Barry G. Quinn; Application of the short-time Fourier transform and the Wigner-Ville distribution to the acoustic localization of aircraft; Aug. 1994; pages 821-827  |                |
|  | 26                    | R.C. Mellin and G. Sovran; Controlling the Tonal Characteristics of the Aerodynamic Noise Generated by Fan Rotors; Mar. 1970; pages 143-154   |                |
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